Addendum

Iowa Department of Transportation Date of Letting: August 19, 2014

Office of Contracts Date of Addendum: August 5, 2014

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
004	35-C035-085	RECONSTRUCTION – BRIDGE DECK	FRANKLIN	STP-E-C035(85)8V-35	19AUG004.A01
		REPLACEMENT			

Please REPLACE plan sheets C.01 & V.03 with the attached plan sheets:

- 1. Sheet C.01, item 0020 ESTIMATE REFERENCE INFORMATION changed gradation from 21 to gradation 22 which allows fines
- 2. Sheet V.03, added note that Railing Section should be 54" tall. Removed requests for design calculations and requesting shop drawings and calculations from Wheeler Lumber be provided by the contractor. Also removed the LRFD reference and added that the bridge sub and super structures have been analyzed for the design loadings of H10 and 85 psf LL.

100-10	QUANTITIES	Total	1445.2	1203.7	202.00	00,000	1,000	000,	000.	285,000	0	
		TINU	> 0	- C	31			S C	50	C.F.		
ESTIMATED PROJECT QUANTITIES		JE ITEM	115-0100000 Modified Subbase	2312-8260250 Granular Surfacing on Road, Crushed Stone	100 Wood Posts for Type A or B Signs, 4 in, x 4 in.	201 Type A Signs, Sheet Aluminum	110 Troffic Control	113 Floager	533-4980005 Mobilization	(599-9999009 Reliroad Retrofit Timber Recreation Timber Deck Panel System		
		ITEM NO. ITEM CODE	2115-01000	2312-8260.	2524-9275	2524-9325	2528-8445	2529-8445	2533-4980	2599-9999		
		EM NC		0020	5.5				0000	00800		

		ESTIMATE REFERENCE INFORMATION
No.	Item Code	Description
010	2115-0100000	0010 2115-0100000 MODIFIED SUBBASE Material meeting Gradation 14, lowa Department of Transportation Standard Specifications See Typical section 7402 and 7403 sheet 8,01 for details.
020	2312-8260250	0020 2312-8260250 GRANULAR SURFACING ON ROAD, CRUSHED STONE Sholl meet IDOT Gradation 22, 1 inch depth. See Typical 7403 sheet B.01.
0030	2524-9275100	0030 2524-9275100 WOOD POSTS FOR TYPE A or B SIGNS, 4 in. x 4 in. 0040 2524-9325001 TYPE A SIGNS, SHEET ALUMINUM RIGHT SIGNS, 4 in. x 4 in. Refer to sheet C.05 for station location and sign type. Refer to sheet N.01 for signs types, placement and location detail
0050	00502528-8445110	
0800	0080 2599-9999009	PRALROAD RETROFIT TIMBER RECREATIONAL TIMBER DECK PANEL SYSTEM See Sheet V.Ot, V.O2 and V.O3 for Plan and requirements. This Item will be measured in Lin. Ft. of bridge panels placed. Basis of payment will be per plan for retrafit bridge panels.

STP-E-C035(85)8J-35 SHEET NO: C	PROJECT NUMBERS:	FRANKLIN COUNTY	FISCAL YEAR 2014	FHWA REGION 7	STATE OF IOWA	County Engineering Department
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SHEET NO: V.03 Bridge Detail Notes STP-E-C035(85)--8V-35 specifications. Dock parels shall be assembled with 3/8" diameter ring shank dowels. All dowels are to be simultaneously driven with equal force using a mechanical press the full length of the deck, ensuring all heads are flush with the surface of the timber plank. Nutlitible impact tools are not to be used to sate dowels because of potential for wood fiber rupture. Deck panels to be delivered to jobsite after being fully assembled at Completed work. It shall not include falsework, forms, bracing, sheeting or other lumber and timber shall not include falsework, forms, bracing, sheeting or other lumber and timber shall be manufactured using wet use adhesives. Glue faminated timber shall be manufactured using wet use adhesives. Knotholes and holes from causes other than knots shall be measured and limited as provided for knots. All visible pieces of lumber and timber having knots that are unsightly in appearance shall be rejected. Cluster knots and knots in groups are not permitted. Only pieces consisting of sound wood free from any form of decay shall be accepted. No piece of exceptionally lightweight shall be accepted. Shop Drawings and calculations of the railroad retrofit timber deck panel system shall be supplied from Wheeler Lumber, sealed by a professional engineer licensed in the State of lows and experienced in the bridge design. Calculations shall verify species, size and grade of materials to be used in the manufacture of transverse dowel-laminated deck panels. This section covers the wood preservatives and the preservative treatment of lumber and timber conforming to the Specifications as referenced or otherwise specified in the plans or special provisions. Temporary bracing shall not require preservative treatment. Lumber and timber shall be pressure treated with Copper Naphthenate. Proper pre-drilling of holes for screws, nails, spikes, lags or bolts where necessary to avoid splitting of timber will be required. This section shall include only such lumber and timber, as is part of the Workmanship shall be first class throughout. Nails and spikes shall be driven with sufficient force to set the heads flush with the surface of the wood, thus ensuring the surface shall be free from deep or frequent All material shall be well manufactured. All lumber and timber shall be straight, well sawed, sawed squared at ends and have opposite surfaces parallel unless otherwise required by the plans and Connection of rail components must be to the transverse deck panels only. No connection of rail components to existing super- or substructure will be permitted. Timber rail height shall be 54" from top of deck to top of rail. All plank for deck panels shall be precision end trimmed to length with \mathcal{N}^{\ast} underlength and no overlength tolerance permitted. PROJECT NUMBERS: PRESERVATIVE TREATMENT PLANS AND CALCULATIONS FRANKLIN COUNTY fabrication plant. STRUCTURAL TIMBER hammer marks. MANUFACTURE WORKMANSHIP QUALITY ASSURANCE FISCAL YEAR 2014 SUBMITTALS MATERIALS ä o 4 ы O ď Ċ m ď Ċ B o ₹ ď m FHWA REGION 7 The Contractor shall be responsible for furnishing and installing Wheeler Lumber of Bloomington, MN Railroad Retrofit Timber Deck Panel The Contractor is not responsible for the condition or capacity of the existing structure and is not required to perform any inspection or analysis of its remaining components. Substructure and Superstructure was analyzed for live loads and deck system shown in Design section. Contractor shall be responsible for removal of existing railroad ties and hardware and disposal or storage according to plan sheets. All dimensions of existing structure relative to deck system shall be field verified by the Contractor prior to final live load of 85 psf applied to entire deck surface whichever is more restrictive. Include additional dead load of 2 ½ inchs of HMA ,Substructure has been analyzed for Timber rail system shall be included as part of Transverse Timber Deck Panel System. Railroad Retrofit Timber Deck Panel System to be installed on existing Payment for Railroad Retrofit Timber Deck Panel System shall be compensation in full for all costs of providing Wheeler's design and plans, supply, fabricating, and installation for Transverse Timber Deck Panel System, Price also includes removal and disposal of existing railroad ties above the superstructure. Deflection requirements according to AASHTO. Individual panel dimensions shall be determined by manufacturer. Panel thickness, species and grade of timber shall be determined by manufacturer. Design and supply of materials for proper transverse deck panel AASHTO Design Specifications for Highway Bridges - current edition and interims Transverse deck panels shall be dowel-laminated. Deck shall be comprised of multiple panels. Ship-lapped joint connections between adjacent panels must be provided. Glue-laminated panels will not be All dead loads, applied dead loads, live loads, and wind loads as specified in the AASHTO specification. Design load shall be 20,000 pound vehicle (H10) and/or connection to existing bridge superstructure shall be the responsibility of the manufacturer. Design shall be in accordance with AASHTO Bridge Design specification, all current interims and the following criteria: STATE OF IOWA lowa DOT Standard Specification Shall Apply RAILROAD RETROFIT TIMBER DECK PANEL SYSTEM Franklin County Engineering Department RAILROAD RETROFIT DECK PANEL SYSTEM Bridge dimensions: Live loads: ä TIMBER RAILING κi ė 6.5.4 REFERENCES **UNIT PRICES** ď ď ġ œ. 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